

MEMORANDUM

TO : Participants in 1990 SERC winter bird count

FROM : Jim Lynch

SUBJECT : Results of 1990 count **DATE** : 27 December 1990

Eight observers participated in the count, which occurred between 0800 hrs and 1530 hrs on Sunday, 23 December 1990. In sharp contrast to last year's count, which was characterized by sunny but brutally cold weather (T=18-25° F), deep snow cover, and frozen inlets, this year's weather featured overcast, occasionally drizzly skies and record-high temperatures (T=60-70° F). Although our coverage was slightly less intense this year than in 1989 (8 vs. 12 observers; 21 vs. 26 party-hrs), in both years 4 parties surveyed the same 4 sectors (total area: 72 km²) of the Rhode River watershed. Results from 1989 and 1990 should therefore be comparable.

In all, 60 bird species were sighted in the 1990 count (vs. 65 in 1989). Although some of us were surprised that the mild weather conditions did not produce a higher total of species, most discrepancies between the two years can be attributed to the absence this year of several rarities (e.g., American Woodcock, Red-headed Woodpecker, Eastern Phoebe, Fox Sparrow, White-crowned Sparrow) that were represented by single individuals in 1989. Whether such species actually were absent from the count area in 1990, or were simply more difficult to locate because the mild weather had not concentrated them in localized refugia, is impossible to say. Some winter residents that were common in 1989 were much scarcer or altogether absent this year (e.g., Redhead, Canvasback, Lesser Scaup, Ruddy Duck, Red-breasted Nuthatch, Hermit Thrush, White-throated Sparrow). Other northern species (e.g., Canada Goose, Tundra Swan, Golden-crowned Kinglet, Winter Wren, Yellow-rumped Warbler, Dark-eyed Junco) were present in similar numbers in both 1989 and 1990. About the only species whose numbers reflected a major positive response this year's mild conditions were the European Starling, Brown-headed Cowbird, and the Common Grackle!

Thanks again for your help; I hope we can count on you for next year!

cc: C.Barkan, R.Greenberg, J.Harms, E.Morton, L.Remenapp, B.Stutchbury, G.Ruiz, D.Whigham

Summary of 1990 SERC Winter Bird Count

Date: 23 December 1990 Observers: 8 Parties : 4 Party-hrs: ca.22
Weather: Overcast with occasional light showers; T=60-70°F; calm to light breezes; no snow cover; no ice in inlets. Survey Sectors (and party-hrs): Sector 1 - Camp Letts Rd. South to Contee's Wharf Rd. (4.5h); Sector 2 - Contee's Wharf Rd. South to Muddy Creek (6.5h); Sector 3 - Muddy Creek South to Cumberstone Rd. (6.5h); Sector 4 - Cumberstone Rd. South to West River (4.5h).

Species	No. counted in sector				Total		
	1	2	3	4	1990	(1989)	(1983)
1. Great Blue Heron	2	1	1	-	4	(8)	(3)
2. Tundra Swan	-	-	109	22	131	(68)	(52)
3. Canada Goose	254	1	564	200	1,019	(1,477)	(709)
4. Mallard	-	-	4	6	10	(6)	(52)
5. Black Duck	9	17	15	40	81	(40)	84
6. Wood Duck	-	-	-	2	2	-	-
7. Redhead	-	-	-	-	-	(2)	-
8. Canvasback	34	-	-	-	34	(1,326)	(80)
9. Lesser Scaup	-	-	-	2	2	(206)	-
10. Common Goldeneye					-	-	(62)
11. Bufflehead	15	2	-	25	42	(52)	(80)
12. Ruddy Duck	-	-	-	-	-	(88)	(1)
13. Red-breasted Merganser	-	-	-	-	-	-	(1)
14. Turkey Vulture	5	4	30	-	39	(25)	(44)
15. Black Vulture	1	2	2	-	5	(9)	(18)
16. Bald Eagle	-	-	-	-	-	-	(1)
17. Sharp-shinned Hawk	-	-	-	-	-	(1)	(3)
18. Red-tailed Hawk	-	-	2	3	5	(5)	(1)
19. Red-shouldered Hawk	2	2	-	-	4	(7)	(5)
20. American Kestrel	2	-	1	1	4	(1)	(1)
21. Killdeer	-	1	-	8	9	(4)	(15)
22. Herring Gull	-	9	-	1	10	(80)	(9)
23. Ring-billed Gull	16	2	-	5	23	(2)	(22)
24. Gr. Black-backed Gull	-	-	-	1	1	(1)	(3)
25. Mourning Dove	1	2	9	2	14	(3)	(40)
26. Great Horned Owl	-	-	-	-	-	-	(1)

1990 SERC Winter Bird Count vs. 1989 and 1983 (p.2)

Species					1990	(1989)	(1983)
27. Barred Owl	1	-	-	-	1	(1)	-
28. Belted Kingfisher	-	1	1	2	4	(4)	(4)
29. Common Flicker	15	17	1	7	40	(39)	(51)
30. Pileated Woodpecker	5	11	2	-	18	(9)	(6)
31. Red-bellied Woodpecker	3	9	6	5	23	(47)	(71)
32. Yellow-bell. Sapsucker	1	7	3	-	11	(10)	(6)
33. Hairy Woodpecker	1	8	3	1	13	(6)	(9)
34. Downy Woodpecker	6	7	4	2	19	(26)	(56)
35. Red-headed Woodpecker	-	-	-	-	-	(1)	-
36. Blue Jay	8	7	-	10	35 25	(53)	(98)
38. Common Crow	7	7	-	4	18	(53)	(105)
39. Fish Crow	-	2	-	-	2	(1)	-
40. Carolina Chickadee	23	34	20	10	87	(56)	(171)
41. Tufted Titmouse	6	18	13	6	43	(43)	(63)
42. White-br. Nuthatch	-	4	3	-	7	(10)	(8)
43. Red-breasted Nuthatch	-	-	-	-	-	(2)	-
44. Brown Creeper	-	5	4	1	10	(8)	(11)
45. Winter Wren	-	3	1	-	4	(6)	(7)
46. Carolina Wren	10	17	8	8	43	(54)	(21)
47. Long-billed Marsh Wren	-	-	-	-	-	-	(1)
48. Mockingbird	2	2	2	2	8	(20)	(23)
49. Gray Catbird	-	-	-	-	-	-	(1)
50. American Robin	-	25	2	-	27	(38)	(24)
51. Hermit Thrush	-	-	1	-	1	(13)	(2)
52. Eastern Bluebird	25	-	19	-	44	(16)	(15)
53. Golden-crowned Kinglet	3	8	5	1	17	(22)	(12)
54. Ruby-crowned Kinglet	-	1	-	-	1	-	(5)
55. Cedar Waxwing	20	16	-	40	76	(18)	(53)
56. European Starling	55	13	34	20	122	(11)	(301)
57. Yellow-rumped Warbler	1	20	12	25	58	(42)	(54)
58. House Sparrow	30	7	-	-	37	(10)	(109)
59. Red-winged Blackbird	-	110	-	-	110	(1)	(113)
60. Common Grackle	59	270	-	-	329	-	-
61. Brown-headed Cowbird	-	1	2	-	3	-	(1)
62. Northern Cardinal	5	22	31	20	78	(137)	(139)
63. Purple Finch	-	4	30	-	34	-	(7)
64. House Finch	6	1	-	-	7	-	-

1990 SERC Winter Bird Count vs. 1989 and 1983 (p.3)

Species					1990	(1989)	(1983)
65. American Goldfinch	-	2	1	6	9	(4)	(29)
66. Rufous-sided Towhee	-	1	3	2	6	(9)	(8)
67. Dark-eyed Junco	53	27	11	-	91	(148)	(215)
68. Chipping Sparrow	-	1	-	-	1	-	-
69. Field Sparrow	6	8	-	3	17	(6)	(10)
70. White-throated Sparrow	-	55	48	16	119	(331)	(364)
71. Swamp Sparrow	1	-	-	4	5	(1)	(26)
72. Song Sparrow	21	13	-	10	44	(54)	(55)
Total Species	37	48	37	37	60	(65)	(61)
Total Individuals	716	807	1,007	523	3,053	(4768)	(3522)

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1990 SERC Winter Bird Count vs. 1989 and 1983

Species	No. counted in sector				Total		
	1	2	3	4	1990	(1989)	(1983)
1. Great Blue Heron	2	1	1	-	4	(8)	(3)
2. Tundra Swan	-	-	109	22	131	(68)	(52)
3. Canada Goose	254	1	564	200	1,019	(1,477)	(709)
4. Mallard	-	-	4	6	10	(6)	(52)
5. Black Duck	9	17	15	40	81	(40)	84)
6. Wood Duck	-	-	-	2	2	-	-
7. Redhead	-	-	-	-	-	(2)	-
8. Canvasback	34	-	-	-	34	(1,326)	(80)
9. Lesser Scaup	-	-	-	2	2	(206)	-
10. Common Goldeneye					-	-	(62)
11. Bufflehead	15	2	-	25	42	(52)	(80)
12. Ruddy Duck	-	-	-	-	-	(88)	(1)
13. Red-breasted Merganser	-	-	-	-	-	-	(1)
14. Turkey Vulture	5	4	30	-	39	(25)	(44)
15. Black Vulture	1	2	2	-	5	(9)	(18)
16. Bald Eagle	-	-	-	-	-	-	(1)
17. Sharp-shinned Hawk	-	-	-	-	-	(1)	(3)
18. Red-tailed Hawk	-	-	2	3	5	(5)	(1)
19. Red-shouldered Hawk	2	2	-	-	4	(7)	(5)
20. American Kestrel	2	-	1	1	4	(1)	(1)
21. Kildeer	-	1	-	8	9	(4)	(15)
22. Herring Gull	-	9	-	1	10	(80)	(9)
23. Ring-billed Gull	16	2	-	5	23	(2)	(22)
24. Gr. Black-backed Gull	-	-	-	1	1	(1)	(3)

1990 SERC Winter Bird Count vs. 1989 and 1983 (p.2)

Species	1	2	3	4	1990	(1989)	(1983)
25. Mourning Dove	1	2	9	2	14	(3)	(40)
26. Great Horned Owl	-	-	-	-	-	-	(1)
27. Barred Owl	1	-	-	-	1	(1)	-
28. Belted Kingfisher	-	1	1	2	4	(4)	(4)
29. Common Flicker	15	17	1	7	40	(39)	(51)
30. Pileated Woodpecker	5	11	2	-	18	(9)	(6)
31. Red-bellied Woodpecker	3	9	6	5	23	(47)	(71)
32. Yellow-bell. Sapsucker	1	7	3	-	11	(10)	(6)
33. Hairy Woodpecker	1	8	3	1	13	(6)	(9)
34. Downy Woodpecker	6	7	4	2	19	(26)	(56)
35. Red-headed Woodpecker	-	-	-	-	-	(1)	-
36. Blue Jay	8	7	-	10	35	(53)	(98)
38. Common Crow	7	7	-	4	18	(53)	(105)
39. Fish Crow	-	2	-	-	2	(1)	-
40. Carolina Chickadee	23	34	20	10	87	(56)	(171)
41. Tufted Titmouse	6	18	13	6	43	(43)	(63)
42. White-br. Nuthatch	-	4	3	-	7	(10)	(8)
43. Red-breasted Nuthatch	-	-	-	-	-	(2)	-
44. Brown Creeper	-	5	4	1	10	(8)	(11)
45. Winter Wren	-	3	1	-	4	(6)	(7)
46. Carolina Wren	10	17	8	8	43	(54)	(21)
47. Long-billed Marsh Wren	-	-	-	-	-	-	(1)
48. Mockingbird	2	2	2	2	8	(20)	(23)
49. Gray Catbird	-	-	-	-	-	-	(1)
50. American Robin	-	25	2	-	27	(38)	(24)
51. Hermit Thrush	-	-	1	-	1	(13)	(2)
52. Eastern Bluebird	25	-	19	-	44	(16)	(15)
53. Golden-crowned Kinglet	3	8	5	1	17	(22)	(12)
54. Ruby-crowned Kinglet	-	1	-	-	1	-	(5)
55. Cedar Waxwing	20	16	-	40	76	(18)	(53)
56. European Starling	55	13	34	20	122	(11)	(301)
57. Yellow-rumped Warbler	1	20	12	25	58	(42)	(54)
58. House Sparrow	30	7	-	-	37	(10)	(109)
59. Red-winged Blackbird	-	110	-	-	110	(1)	(113)
60. Common Grackle	59	270	-	-	329	-	-
61. Brown-headed Cowbird	-	1	2	-	3	-	(1)
62. Northern Cardinal	5	22	31	20	78	(137)	(139)

1990 SERC Winter Bird Count vs. 1989 and 1983 (p.3)

Species		1990	(1989)	(1983)
63. Purple Finch	-	4	30	-
64. House Finch	6	1	-	7
65. American Goldfinch	-	2	1	6
66. Rufous-sided Towhee	-	1	3	2
67. Dark-eyed Junco	53	27	11	-
68. Chipping Sparrow	-	1	-	1
69. Field Sparrow	6	8	-	3
70. White-throated Sparrow	-	55	48	16
71. Swamp Sparrow	1	-	-	4
72. Song Sparrow	21	13	-	10
Total Species		37	48	37
Total Individuals		716	807	1,007
				523
				3,053
				(4768)
				(3522)
				(65)
				(61)

Summary of 1990 SERC Winter Bird Count

Date: 23 December 1990 Observers: 8 Parties : 4 Party-hrs: ca.22
Weather: Overcast with intermittent light rain; T=60-70°F; calm to light breezes; no snow cover; no ice in inlets. Survey Sectors (and party-hrs): Sector 1 - Camp Letts Rd. South to Contee's Wharf Rd. (4.5h); Sector 2 - Contee's Wharf Rd. South to Muddy Creek (6.5h); Sector 3 - Muddy Creek South to Cumberstone Rd. (6.5h); Sector 4 - Cumberstone Rd. South to West River (4.5h).

Species	No. counted in sector				Total 1990 (1989)
	1	2	3	4	
1. Great Blue Heron	2	1	1	-	4 (8)
2. Tundra Swan	-	-	109	22	131 (68)
3. Canada Goose	254	1	564	200	1,019 (1,477)
4. Mallard	-	-	4	6	10 (6)
5. Black Duck	9	17	15	40	81 (40)
6. Wood Duck	-	-	-	2	2 (0)
7. Canvasback	34	-	-	-	34 (1,326)
8. Lesser Scaup	-	-	-	2	2 (206)
9. Bufflehead	15	2	-	25	42 (52)
10. Turkey Vulture	5	4	30	-	39 (25)
11. Black Vulture	1	2	2	-	5 (9)
12. Red-tailed Hawk	-	-	2	3	5 (5)
13. Red-shouldered Hawk	2	2	-	-	4 (7)
14. American Kestrel	2	-	1	1	4 (1)
15. Killdeer	-	1	-	8	9 (4)
16. Herring Gull	-	9	-	1	10 (80)
17. Ring-billed Gull	16	2	-	5	23 (2)
18. Gr. Black-backed Gull	-	-	-	1	1 (1)
19. Mourning Dove	1	2	9	2	14 (3)
20. Barred Owl	1	-	-	-	1 (1)
21. Belted Kingfisher	-	1	1	2	4 (4)
22. Common Flicker	15	17	1	7	40 (39)
23. Pileated Woodpecker	5	11	2	-	18 (9)
24. Red-bellied Woodpecker	3	9	6	5	23 (47)
25. Yellow-bell. Sapsucker	1	7	3	-	11 (10)
26. Hairy Woodpecker	1	8	3	1	13 (6)

1990 SERC Winter Bird Count - continued

27. Downy Woodpecker	6	7	4	2	19 (26)
28. Blue Jay	8	7	-	10	35 (53)
29. Common Crow	7	7	-	4	18 (53)
30. Fish Crow	-	2	-	-	2 (1)
31. Carolina Chickadee	23	34	20	10	87 (56)
32. Tufted Titmouse	6	18	13	6	43 (43)
33. White-br. Nuthatch	-	4	3	-	7 (10)
34. Brown Creeper	-	5	4	1	10 (8)
35. Winter Wren	-	3	1	-	4 (6)
36. Carolina Wren	10	17	8	8	43 (54)
37. Mockingbird	2	2	2	2	8 (20)
38. American Robin	-	25	2	-	27 (38)
39. Hermit Thrush	-	-	1	-	1 (13)
40. Eastern Bluebird	25	-	19	-	44 (16)
41. Golden-crowned Kinglet	3	8	5	1	17 (22)
42. Ruby-crowned Kinglet	-	1	-	-	1 (0)
43. Cedar Waxwing	20	16	-	40	76 (18)
44. European Starling	55	13	34	20	122 (11)
45. Yellow-rumped Warbler	1	20	12	25	58 (42)
46. House Sparrow	30	7	-	-	37 (10)
47. Red-winged Blackbird	-	110	-	-	110 (1)
48. Common Grackle	59	270	-	-	329 (0)
49. Brown-headed Cowbird	-	1	2	-	3 (0)
50. Northern Cardinal	5	22	31	20	78 (137)
51. Purple Finch	-	4	30	-	34 (0)
52. House Finch	6	1	-	-	7 (0)
53. American Goldfinch	-	2	1	6	9 (4)
54. Rufous-sided Towhee	-	1	3	2	6 (9)
55. Dark-eyed Junco	53	27	11	-	91 (148)
56. Chipping Sparrow	-	1	-	-	1 (0)
57. Field Sparrow	6	8	-	3	17 (6)
58. White-throated Sparrow	-	55	48	16	119 (331)
59. Swamp Sparrow	1	-	-	4	5 (1)
60. Song Sparrow	21	13	-	10	44 (54)
Total Species	37	48	37	37	60 (65)
Total Individuals	716	807	1007	523	3053 (4768)

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67. Dark-eyed Junco	53	27	11	-
68. Chipping Sparrow	-	1	-	1
69. Field Sparrow	6	8	-	3
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71. Swamp Sparrow	1	-	-	4
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4. Mallard	-	-	4	6	10	(6)	(52)
5. Black Duck	9	17	15	40	81	(40)	84)
6. Wood Duck	-	-	-	2	2	-	-
7. Redhead	-	-	-	-	-	(2)	-
8. Canvasback	34	-	-	-	34	(1,326)	(80)
9. Lesser Scaup	-	-	-	2	2	(206)	-
10. Common Goldeneye					-	-	(62)
11. Bufflehead	15	2	-	25	42	(52)	(80)
12. Ruddy Duck	-	-	-	-	-	(88)	(1)
13. Red-breasted Merganser	-	-	-	-	-	-	(1)
14. Turkey Vulture	5	4	30	-	39	(25)	(44)
15. Black Vulture	1	2	2	-	5	(9)	(18)
16. Bald Eagle	-	-	-	-	-	-	(1)
17. Sharp-shinned Hawk	-	-	-	-	-	(1)	(3)
18. Red-tailed Hawk	-	-	2	3	5	(5)	(1)
19. Red-shouldered Hawk	2	2	-	-	4	(7)	(5)
20. American Kestrel	2	-	1	1	4	(1)	(1)
21. Kildeer	-	1	-	8	9	(4)	(15)
22. Herring Gull	-	9	-	1	10	(80)	(9)
23. Ring-billed Gull	16	2	-	5	23	(2)	(22)
24. Gr. Black-backed Gull	-	-	-	1	1	(1)	(3)

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Species	1	2	3	4	1990	(1989)	(1983)
25. Mourning Dove	1	2	9	2	14	(3)	(40)
26. Great Horned Owl	-	-	-	-	-	-	(1)
27. Barred Owl	1	-	-	-	1	(1)	-
28. Belted Kingfisher	-	1	1	2	4	(4)	(4)
29. Common Flicker	15	17	1	7	40	(39)	(51)
30. Pileated Woodpecker	5	11	2	-	18	(9)	(6)
31. Red-bellied Woodpecker	3	9	6	5	23	(47)	(71)
32. Yellow-bell. Sapsucker	1	7	3	-	11	(10)	(6)
33. Hairy Woodpecker	1	8	3	1	13	(6)	(9)
34. Downy Woodpecker	6	7	4	2	19	(26)	(56)
35. Red-headed Woodpecker	-	-	-	-	-	(1)	-
36. Blue Jay	8	7	-	10	35	(53)	(98)
38. Common Crow	7	7	-	4	18	(53)	(105)
39. Fish Crow	-	2	-	-	2	(1)	-
40. Carolina Chickadee	23	34	20	10	87	(56)	(171)
41. Tufted Titmouse	6	18	13	6	43	(43)	(63)
42. White-br. Nuthatch	-	4	3	-	7	(10)	(8)
43. Red-breasted Nuthatch	-	-	-	-	-	(2)	-
44. Brown Creeper	-	5	4	1	10	(8)	(11)
45. Winter Wren	-	3	1	-	4	(6)	(7)
46. Carolina Wren	10	17	8	8	43	(54)	(21)
47. Long-billed Marsh Wren	-	-	-	-	-	-	(1)
48. Mockingbird	2	2	2	2	8	(20)	(23)
49. Gray Catbird	-	-	-	-	-	-	(1)
50. American Robin	-	25	2	-	27	(38)	(24)
51. Hermit Thrush	-	-	1	-	1	(13)	(2)
52. Eastern Bluebird	25	-	19	-	44	(16)	(15)
53. Golden-crowned Kinglet	3	8	5	1	17	(22)	(12)
54. Ruby-crowned Kinglet	-	1	-	-	1	-	(5)
55. Cedar Waxwing	20	16	-	40	76	(18)	(53)
56. European Starling	55	13	34	20	122	(11)	(301)
57. Yellow-rumped Warbler	1	20	12	25	58	(42)	(54)
58. House Sparrow	30	7	-	-	37	(10)	(109)
59. Red-winged Blackbird	-	110	-	-	110	(1)	(113)
60. Common Grackle	59	270	-	-	329	-	-
61. Brown-headed Cowbird	-	1	2	-	3	-	(1)
62. Northern Cardinal	5	22	31	20	78	(137)	(139)

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Species	No. counted in sector				Total 1990 (1989)
	1	2	3	4	
1. Great Blue Heron	2	1	1	-	4 (8)
2. Tundra Swan	-	-	109	22	131 (68)
3. Canada Goose	254	1	564	200	1,019 (1,477)
4. Mallard	-	-	4	6	10 (6)
5. Black Duck	9	17	15	40	81 (40)
6. Wood Duck	-	-	-	2	2 (0)
7. Canvasback	34	-	-	-	34 (1,326)
8. Lesser Scaup	-	-	-	2	2 (206)
9. Bufflehead	15	2	-	25	42 (52)
10. Turkey Vulture	5	4	30	-	39 (25)
11. Black Vulture	1	2	2	-	5 (9)
12. Red-tailed Hawk	-	-	2	3	5 (5)
13. Red-shouldered Hawk	2	2	-	-	4 (7)
14. American Kestrel	2	-	1	1	4 (1)
15. Kildeer	-	1	-	8	9 (4)
16. Herring Gull	-	9	-	1	10 (80)
17. Ring-billed Gull	16	2	-	5	23 (2)
18. Gr. Black-backed Gull	-	-	-	1	1 (1)
19. Mourning Dove	1	2	9	2	14 (3)
20. Barred Owl	1	-	-	-	1 (1)
21. Belted Kingfisher	-	1	1	2	4 (4)
22. Common Flicker	15	17	1	7	40 (39)
23. Pileated Woodpecker	5	11	2	-	18 (9)
24. Red-bellied Woodpecker	3	9	6	5	23 (47)
25. Yellow-bell. Sapsucker	1	7	3	-	11 (10)
26. Hairy Woodpecker	1	8	3	1	13 (6)

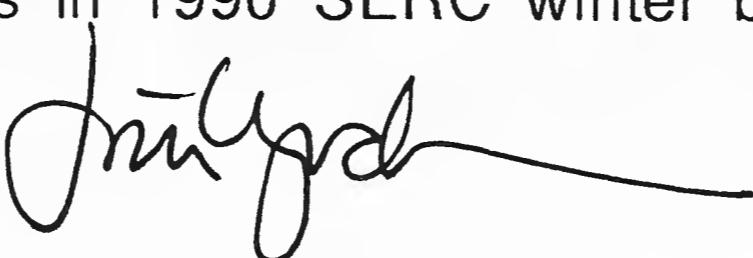
1990 SERC Winter Bird Count - continued

27. Downy Woodpecker	6	7	4	2	19 (26)
28. Blue Jay	8	7	-	10	35 (53)
29. Common Crow	7	7	-	4	18 (53)
30. Fish Crow	-	2	-	-	2 (1)
31. Carolina Chickadee	23	34	20	10	87 (56)
32. Tufted Titmouse	6	18	13	6	43 (43)
33. White-br. Nuthatch	-	4	3	-	7 (10)
34. Brown Creeper	-	5	4	1	10 (8)
35. Winter Wren	-	3	1	-	4 (6)
36. Carolina Wren	10	17	8	8	43 (54)
37. Mockingbird	2	2	2	2	8 (20)
38. American Robin	-	25	2	-	27 (38)
39. Hermit Thrush	-	-	1	-	1 (13)
40. Eastern Bluebird	25	-	19	-	44 (16)
41. Golden-crowned Kinglet	3	8	5	1	17 (22)
42. Ruby-crowned Kinglet	-	1	-	-	1 (0)
43. Cedar Waxwing	20	16	-	40	76 (18)
44. European Starling	55	13	34	20	122 (11)
45. Yellow-rumped Warbler	1	20	12	25	58 (42)
46. House Sparrow	30	7	-	-	37 (10)
47. Red-winged Blackbird	-	110	-	-	110 (1)
48. Common Grackle	59	270	-	-	329 (0)
49. Brown-headed Cowbird	-	1	2	-	3 (0)
50. Northern Cardinal	5	22	31	20	78 (137)
51. Purple Finch	-	4	30	-	34 (0)
52. House Finch	6	1	-	-	7 (0)
53. American Goldfinch	-	2	1	6	9 (4)
54. Rufous-sided Towhee	-	1	3	2	6 (9)
55. Dark-eyed Junco	53	27	11	-	91 (148)
56. Chipping Sparrow	-	1	-	-	1 (0)
57. Field Sparrow	6	8	-	3	17 (6)
58. White-throated Sparrow	-	55	48	16	119 (331)
59. Swamp Sparrow	1	-	-	4	5 (1)
60. Song Sparrow	21	13	-	10	44 (54)
Total Species	37	48	37	37	60 (65)
Total Individuals	716	807	1,007	523	3,053 (4768)

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5. Black Duck	9	17	15	40	81 (40)
6. Wood Duck	-	-	-	2	2 (0)
7. Canvasback	34	-	-	-	34 (1,326)
8. Lesser Scaup	-	-	-	2	2 (206)
9. Bufflehead	15	2	-	25	42 (52)
10. Turkey Vulture	5	4	30	-	39 (25)
11. Black Vulture	1	2	2	-	5 (9)
12. Red-tailed Hawk	-	-	2	3	5 (5)
13. Red-shouldered Hawk	2	2	-	-	4 (7)
14. American Kestrel	2	-	1	1	4 (1)
15. Kildeer	-	1	-	8	9 (4)
16. Herring Gull	-	9	-	1	10 (80)
17. Ring-billed Gull	16	2	-	5	23 (2)
18. Gr. Black-backed Gull	-	-	-	1	1 (1)
19. Mourning Dove	1	2	9	2	14 (3)
20. Barred Owl	1	-	-	-	1 (1)
21. Belted Kingfisher	-	1	1	2	4 (4)
22. Common Flicker	15	17	1	7	40 (39)
23. Pileated Woodpecker	5	11	2	-	18 (9)
24. Red-bellied Woodpecker	3	9	6	5	23 (47)
25. Yellow-bell. Sapsucker	1	7	3	-	11 (10)
26. Hairy Woodpecker	1	8	3	1	13 (6)

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37. Mockingbird	2	2	2	2	8 (20)
38. American Robin	-	25	2	-	27 (38)
39. Hermit Thrush	-	-	1	-	1 (13)
40. Eastern Bluebird	25	-	19	-	44 (16)
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42. Ruby-crowned Kinglet	-	1	-	-	1 (0)
43. Cedar Waxwing	20	16	-	40	76 (18)
44. European Starling	55	13	34	20	122 (11)
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55. Dark-eyed Junco	53	27	11	-	91 (148)
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DATE : 23 Dec 1990

SERC WINTER BIRD COUNT CHECKLIST

TIME:

AREA #
DATE
OBSERVERS

PARTY SIZE

PARTY HOURS

PARTY HOURS _____ PARTY MILES- ON FOOT _____

BY CAR

Summary Sheet

SPECIES	TOTAL	SPECIES	1	2	3	4	TOTAL
			1	2	3	4	
Horned Grebe		Horned Lark					
Pied-B. Grebe		Blue Jay	8	7	—	10	25
Great Bl. Heron	2 1 1 4	Common Crow	7	7	8	4	18
Whistling Swan	— — 109 22	Fish Crow	1	2	—	—	2
Canada Goose	254 1 564 200	Bl.-capped Chickadee*+					
Mallard (wild)	8 — 4 16	Carolina Chickadee	23	34	20	10	87
Black Duck	9 11 15 40	Tufted Titmouse	6	18	13	6	43
Gadwall	— — —	White-br. Nuthatch	—	4	3	—	7
Pintail	— — —	Red-breasted Nuthatch					
Gr.-winged Teal	— — —	Brown Creeper	—	5	4	1	10
American Wigeon	— — —	Winter Wren	—	3	1	—	4
Northern Shoveler	— — —	Carolina Wren	10	17	8	8	43
Wood Duck	— — — 2	Mockingbird	2	2	2	2	8
Redhead	— — —	Gray Catbird	—				
Canvasback	34 — — —	Brown Thrasher					
Scap- Gr. Lr. Spp.*	26000 2 less	American Robin	—	25	2	—	27
Common Goldeneye		Hermit Thrush	—	—	1	—	1
Bufflehead	15 2 — 25	Eastern Bluebird	25	—	19	—	44
Mallard Duck	— — — —	Golden-cr. Kinglet	3	8	5	1	17
Hooded Merganser		Ruby-crowned Kinglet	—	1	—	—	1
Common Merganser		Water Pipit*					
Turkey Vulture	5 4 30 —	Cedar Waxwing	20	16	—	40	76
Black Vulture *	1 2 2 —	Loggerhead Shrike *					
Sharp-shinned Hawk		Starling	55	13	34	20	122
Cooper's Hawk *		Myrtle Warbler (V-rump)	1	20	12	25	58
Red-tailed Hawk	— — 2 3	Pine Warbler *+					
Red-shouldered Hawk	2 2 — —	Palm Warbler *+					
Northern Harrier (Marsh)		House Sparrow	30	7	—	—	37
Kestrel (sex)	2 — 1 1	E. Meadowlark					
Bobwhite		Red-winged Blackbird	—	110	—	—	110
American Coot		N. Oriole (Baltimore)					same group
Killdeer	— 1 — 8	Common Grackle	59	27	(260)	—	329
Woodcock		Br.-headed Cowbird	—	1	2	—	3
Common Snipe		Cardinal	5	22	31	20	73
Herring Gull	— 9 — 1	Evening Grosbeak					
Ping-billed Gull	2 16 2 — 5	Purple Finch	—	4	30	—	34
Rock Dove (pigeon)	— — —	House Finch	6	1	—	—	7
Mourning Dove	1 2 9 2	Pine Siskin					
Screech Owl		American Goldfinch	—	2	1	6	9
Great-Horned Owl		Rufous-sided Towhee	—	1	3	2	6
Barred Owl	— — — —	Savannah Sparrow*					
Belted Kingfisher	— 1 1 2	Dark-eyed Junco	—	53	27	11	91
Common Flicker	15 17 1 7	Tree Sparrow *					
Pileated Woodpecker	5 11 2 —	Chipping Sparrow *	—	1	—	—	1
Red-bellied Woodpecker	13 9 6 5	Field Sparrow	6	8	0	3	17
Red-headed Woodpecker *		White-crowned Sparrow *	—	—	+	—	
Yellow-bellied Sapsucker	1 7 3 —	White-throat Sparrow	—	55	48	16	119
Hairy Woodpecker	1 8 3 1	Fox Sparrow *					
Downy Woodpecker	6 7 4 2	Swamp Sparrow	—	1	—	4	95
		Song Sparrow	21	13	—	10	44
		Vesper Sparrow					

* Easily confused with other species

+ Written details must be submitted

^{additional}
spp: Greater Black-backed Gull - 1 (group 4)

50 spp
60 spp

6 mi by car

SERC WINTER BIRD COUNT CHECKLIST

DATE: 12-23-90

TIME: 0800

AREA # 1

PARTY SIZE 2

PARTY HOURS 11:00-10:40

DATE 12-23-90

PARTY MILES- ON FOOT 11.5

OBSERVERS LYNCH/HARMS

BY CAR 11.5

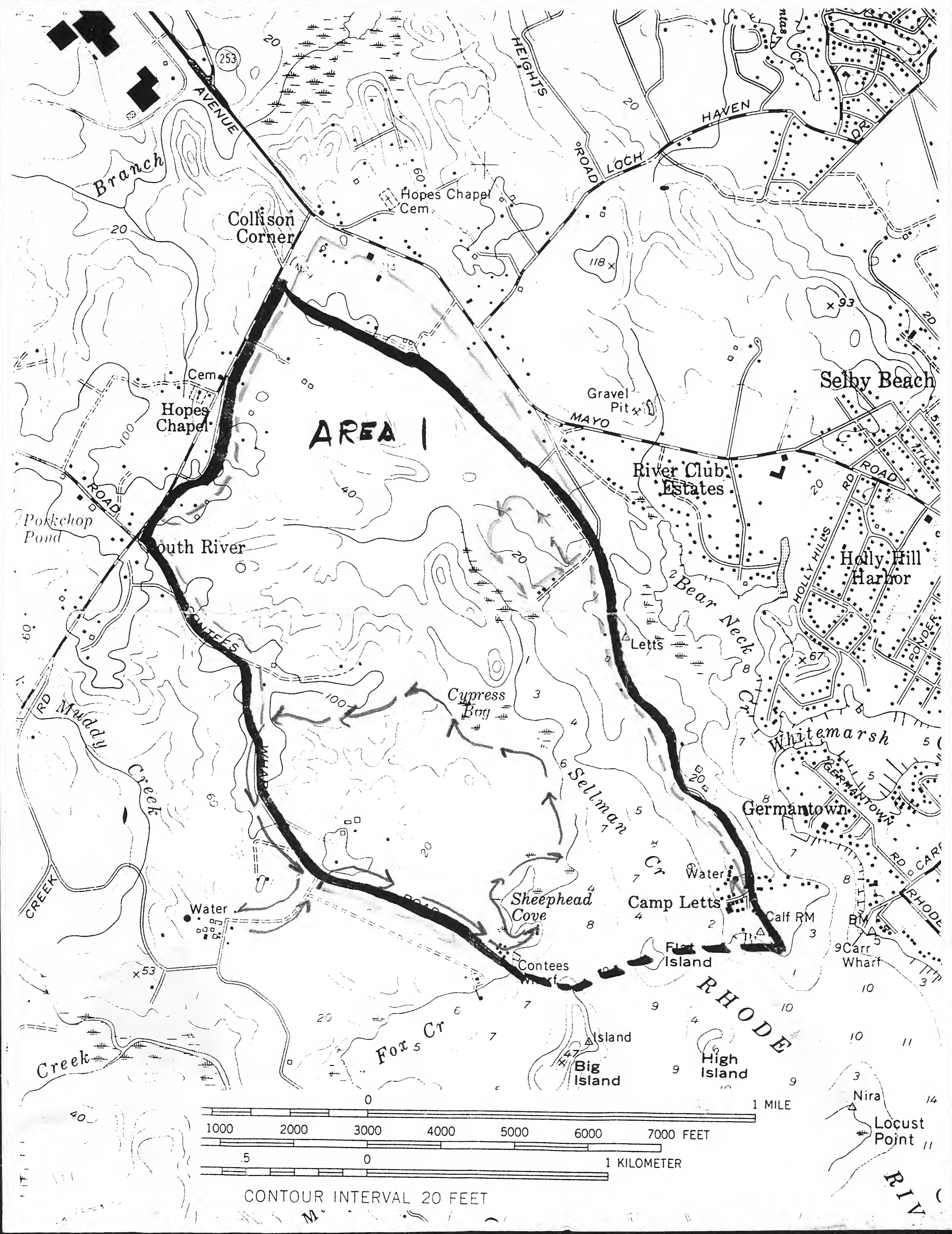
IN CAR 10:45-11:30 WENT 11-30-12-15

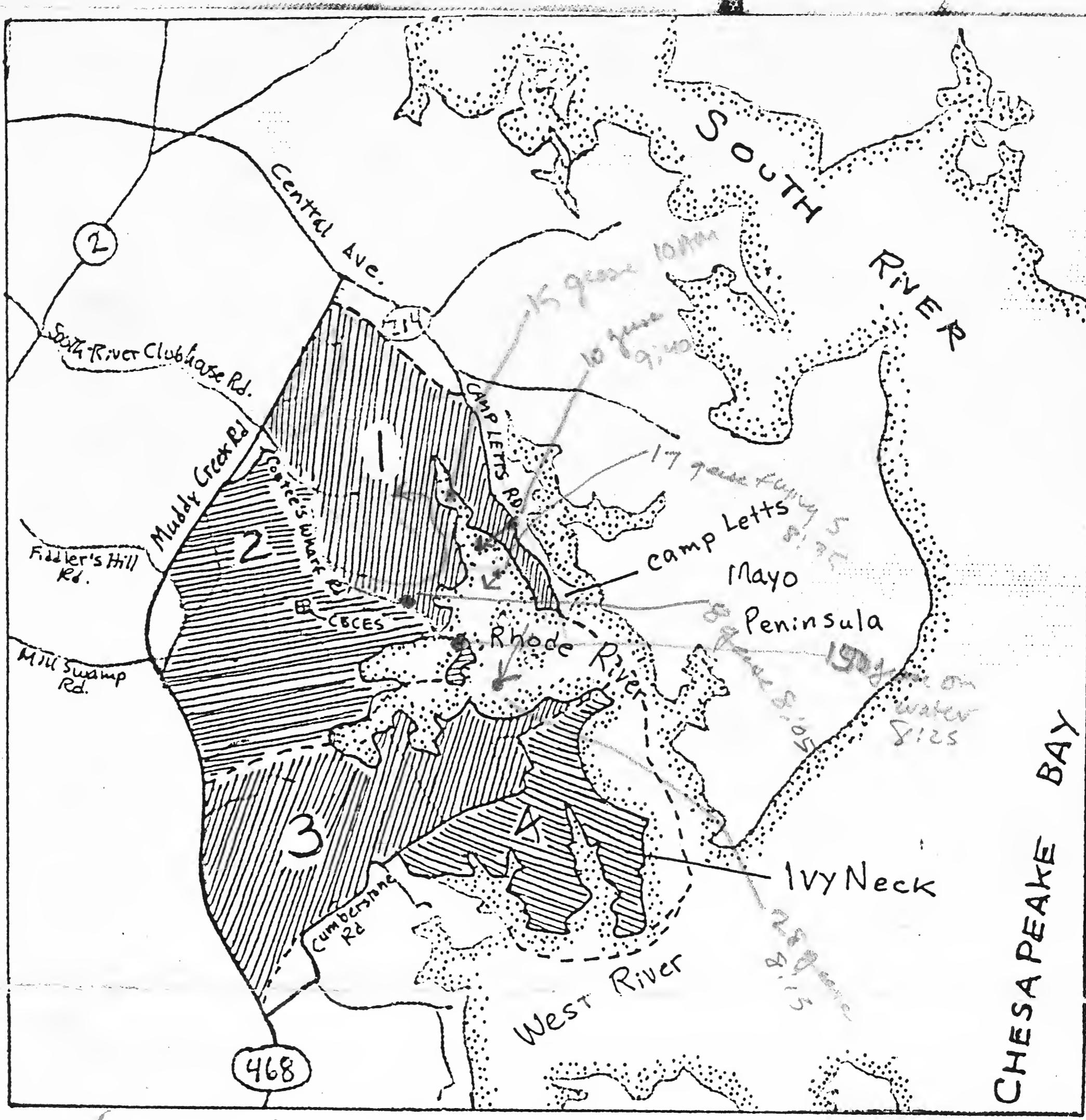
M

SPECIES	C. LOTS	TOTAL	SPECIES	C. LOTS	TOTAL
Horned Grebe			Horned Lark		
Pied-B. Grebe			Blue Jay 1421		8
Great Bl. Heron	1	2	Common Crow 272	11	7
Whistling Swan			Fish Crow		
Canada Goose 6:28-15:17.10:15-15:11		1254	Bl.-capped Chickadee*+ 1		
Mallard (wild)			Carolina Chickadee 11222 7,2,1,4		23 23
Black Duck 9		9	Tufted Titmouse 112		6
Gadwall			White-br. Nuthatch 1*		1*
Pintail			Red-breasted Nuthatch		
Gr.-winged Teal			Brown Creeper		
American Wigeon			Winter Wren		
Northern Shoveler			Carolina Wren 2111		6
Wood Duck			Mockingbird 11		2
Redhead			Gray Catbird		
Canvasback 16-12-4		34	Brown Thrasher		
Scaup- Gr. Lr. Spp.*			American Robin		
Common Goldeneye			Hermit Thrush		
Bufflehead 112-1312	2,2	15	Eastern Bluebird F1-20. 11-2		25
Mallard			Golden-cr. Kinglet 1 2		3
Hooded Merganser			Ruby-crowned Kinglet		
Common Merganser			Water Pipit* 1		
Turkey Vulture 1	2,3	5	Cedar Waxwing 20		20
Black Vulture *		1	Loggerhead Shrike *		
Sharp-shinned Hawk			Starling 16-24-15		55
Cooper's Hawk *			Myrtle Warbler (Y-rump)		1
Red-tailed Hawk			Pine Warbler *+ 1		
Red-shouldered Hawk 1		2	Palm Warbler *+ 1		
Northern Harrier (Marsh)			House Sparrow 30		30
Kestrel (sex) 1		2	E. Meadowlark		
Bobwhite			Red-winged Blackbird		
American Coot			N. Oriole (Baltimore)		
Killdeer			Common Grackle 4-35-20		59
Woodcock			Br.-headed Cowbird		
Common Snipe			Cardinal 111		5
Herring Gull			Evening Grosbeak		
Ring-billed Gull 111-123		6	Purple Finch		
Rock Dove (pigeon)			House Finch 6		6
Mourning Dove		1	Pine Siskin		
Screech Owl			American Goldfinch		
Great-Horned Owl			Rufous-sided Towhee		
Barred Owl 1		1	Savannah Sparrow*		
Belted Kingfisher			Dark-eyed Junco 3-10-6-12-11-10		53
Common Flicker 112111	1-34	15	Tree Sparrow *		
Pileated Woodpecker 111		5	Chipping Sparrow *		
Red-bellied Woodpecker 11		3	Field Sparrow 6		6
Red-headed Woodpecker *			White-crowned Sparrow *		
Yellow-bellied Sapsucker 1		1	White-throated Sparrow		
Hairy Woodpecker 1			Fox Sparrow *		
Downy Woodpecker 111		6	Swamp Sparrow		
			Song Sparrow 3-31-56		21
			Vesper Sparrow		

* Easily confused with other species

+ Written details must be submitted





0 1 2
Scale (miles)

SERC WINTER BIRD COUNT CHECKLIST

DATE:

TIME:

AREA # 4

PARTY SIZE 2

PARTY HOURS 4

PARTY MILES- ON FOOT

BY CAR

DATE

OBSERVERS

R. Beaman, L. R. Beaman

SPECIES	TOTAL	SPECIES	TOTAL
Horned Grebe		Horned Lark	
Pied-B. Grebe		Blue Jay	10
Great Bl. Heron		Common Crow	2
Whistling Swan	20	Fish Crow	
Canada Goose	20	Bl.-capped Chickadee*+	
Mallard (wild)	6	Carolina Chickadee	10
Black Duck	4	Tufted Titmouse	6
3adwall		White-br. Nuthatch	
Pintail		Red-breasted Nuthatch	
Gr.-winged Teal		Brown Creeper	
American Wigeon		Winter Wren	
Northern Shoveler		Carolina Wren	1
Wood Duck	2	Mockingbird	2
Redhead		Gray Catbird	
Canvasback		Brown Thrasher	
Scarp- Gr. Lr. Spp.*		American Robin	
Common Goldeneye		Hermit Thrush	
Bufflehead	25	Eastern Bluebird	
Fuddy Duck		Golden-cr. Kinglet	
Hooded Merganser		Ruby-crowned Kinglet	
Common Merganser		Water Pipit*	
Turkey Vulture	1	Cedar Waxwing	2
Black Vulture *		Loggerhead Shrike *	
Sharp-shinned Hawk		Starling	3
Cooper's Hawk *		Myrtle Warbler (Y-rump)	2
Red-tailed Hawk	3	Pine Warbler *+	
Red-shouldered Hawk		Palm Warbler *+	
Northern Harrier (Marsh)		House Sparrow	
Kestrel (sex)	1	E. Meadowlark	
Bobwhite		Red-winged Blackbird	
American Coot		N. Oriole (Baltimore)	
Killdeer		Common Grackle	
Woodcock		Br.-headed Cowbird	
Common Snipe		Cardinal	
Herring Gull	1	Evening Grosbeak	
Ring-billed Gull	3	Purple Finch	
Rock Dove (pigeon)		House Finch	
Mourning Dove	2	Pine Siskin	
Screech Owl		American Goldfinch	
Great-Horned Owl		Rufous-sided Towhee	
Barred Owl		Savannah Sparrow*	
Belted Kingfisher	5	Dark-eyed Junco	
Common Flicker	1	Tree Sparrow *	
Pileated Woodpecker		Chipping Sparrow *	
Red-bellied Woodpecker	5	Field Sparrow	3
Red-headed Woodpecker *		White-crowned Sparrow *	
Yellow-bellied Sapsucker		White-throat Sparrow	10
Hairy Woodpecker	1	Fox Sparrow *	
Downy Woodpecker	2	Swamp Sparrow	
		Song Sparrow	
		Vesper Sparrow	10

* Easily confused with other species

+ Written details must be submitted

DATE: Dec 23 1990

SERC WINTER BIRD COUNT CHECKLIST

TIME: Morning

AREA # 3:

PARTY SIZE 2

PARTY HOURS 4

PARTY MILES- ON FOOT

BY CAR

DATE Dec. 23 90

OBSERVERS Dennis & Bridget

Morning

and afternoon

SPECIES	TOTAL	SPECIES	TOTAL
Horned Grebe		Horned Lark	
Pied-B. Grebe		Blue Jay	
Great Bl. Heron	1	Common Crow	1, 1, 3, 5
Whistling Swan	10	Fish Crow	
Canada Goose	16, 10, 21, 50, 45, 57, 25, 1, 6, 15	Bl.-capped Chickadee*+	
Mallard (wild)	2	Carolina Chickadee	2, 3, 2, 1, 3, 4, 5
Black Duck	15	Tufted Titmouse	2, 3, 1, 2, 1, 1, 1
Gadwall		White-br. Nuthatch	1, 1
Pintail		Red-breasted Nuthatch	
Gr.-winged Teal		Brown Creeper	1, 1, 1
American Wigeon		Winter Wren	1
Northern Shoveler		Carolina Wren	1, 1, 1 (2 paired)
Wood Duck		Mockingbird	1
Redhead		Gray Catbird	
Canvasback		Brown Thrasher	
Scarp- Gr. Lr. Spp.*		American Robin	2
Common Goldeneye		Hermit Thrush	1
Bufflehead		Eastern Bluebird	4 (Counters West-Nom)
Fuddy Duck		Golden-cr. Kinglet	2, 1, 1, 1
Hooded Merganser		Ruby-crowned Kinglet	
Common Merganser		Water Pipit*	
Turkey Vulture	1, 3, 1, 2, 2	Cedar Waxwing	
Black Vulture *	1	Loggerhead Shrike *	
Sharp-shinned Hawk		Starling	10, 4
Cooper's Hawk *		Myrtle Warbler (V-rump)	1, 4, 7
Red-tailed Hawk	1 (Counters West-Nom)	Pine Warbler *	
Red-shouldered Hawk		Palm Warbler *	
Northern Harrier (Marsh)		House Sparrow	
Kestrel (sex)	1 (Counters West-Nom)	E. Meadowlark	
Bobwhite		Red-winged Blackbird	
American Coot		N. Oriole (Baltimore)	
Killdeer		Common Grackle	40, 50, 50, 100, 100
Woodcock		Br.-headed Cowbird	2
Common Snipe		Cardinal	1, 2, 1, 1, 2, 1, 2, 2, 4, 1
Herring Gull		Evening Grosbeak	
Ring-billed Gull	1, 2, 5	Purple Finch	
Rock Dove (pigeon)		House Finch	
Mourning Dove	9	Pine Siskin	
Screech Owl		American Goldfinch	1, 1
Great-Horned Owl		Rufous-sided Towhee	2
Barred Owl		Savannah Sparrow*	
Belted Kingfisher	1	Dark-eyed Junco	5, 3
Common Flicker	1	Tree Sparrow *	
Pileated Woodpecker	1	Chipping Sparrow *	
Red-bellied Woodpecker	1, 1, 1, 1, 1	Field Sparrow	
Red-headed Woodpecker *		White-crowned Sparrow *	
Yellow-bellied Sapsucker	1, 1	White-throat Sparrow	8, 1, 3, 10, 5
Hairy Woodpecker	2, 1	Fox Sparrow *	
Downy Woodpecker	1, 1, 1	Swamp Sparrow	
		Song Sparrow	
		Vesper Sparrow	

* Easily confused with other species

+ Written details must be submitted

SERC WINTER BIRD COUNT CHECKLIST

DATE: 23 Dec 90

TIME: afternoon

AREA # 3

PARTY SIZE 2

PARTY HOURS 3

PARTY MILES- ON FOOT

BY CAR

DATE 23 Dec 90

OBSERVERS Denny / Bridget

PM

SPECIES	TOTAL	SPECIES	TOTAL
Horned Grebe		Horned Lark	
Pied-B. Grebe		Blue Jay	
Great Bl. Heron		Common Crow	
Whistling Swan 30 in water 26		Fish Crow	
Canada Goose 250 in field		Bl.-capped Chickadee*+	
Mallard (wild) 2		Carolina Chickadee	
Black Duck 15		Tufted Titmouse	
Gadwall		White-br. Nuthatch	
Pintail		Red-breasted Nuthatch	
Gr.-winged Teal		Brown Creeper	
American Wigeon		Winter Wren	
Northern Shoveler		Carolina Wren	
Wood Duck		Mockingbird	
Redhead		Gray Catbird	
Canvasback		Brown Thrasher	
Scap- Gr. Lr. Spp.*		American Robin	
Common Goldeneye		Hermit Thrush	
Bufflehead		Eastern Bluebird 16	
Ruddy Duck		Golden-cr. Kinglet	
Hooded Merganser		Ruby-crowned Kinglet	
Common Merganser		Water Pipit*	
Turkey Vulture 11 2, 20		Cedar Waxwing	
Black Vulture *		Loggerhead Shrike *	
Sharp-shinned Hawk		Starling 20	
Cooper's Hawk *		Myrtle Warbler (Y-rump)	
Red-tailed Hawk 1 Concourse Rd		Pine Warbler *+	
Red-shouldered Hawk		Palm Warbler *+	
Northern Harrier (Marsh)		House Sparrow	
Kestrel (sex) 1		E. Meadowlark	
Bobwhite		Red-winged Blackbird	
American Coot		N. Oriole (Baltimore)	
Killdeer		Common Grackle 30.	
Woodcock		Br.-headed Cowbird	
Common Snipe		Cardinal 3, 21, 15, 11	
Herring Gull		Evening Grosbeak	
Ring-billed Gull 1 3, 5, 11		Purple Finch 30.	
Rock Dove (pigeon)		House Finch	
Mourning Dove 12, 3, 2, 11		Pine Siskin	
Screech Owl		American Goldfinch	
Great-Horned Owl		Rufous-sided Towhee	
Barred Owl		Savannah Sparrow*	
Belted Kingfisher		Dark-eyed Junco 32	
Common Flicker 1 1		Tree Sparrow *	
Pileated Woodpecker 1		Chipping Sparrow *	
Red-bellied Woodpecker 1		Field Sparrow	
Red-headed Woodpecker *		White-crowned Sparrow *	
Yellow-bellied Sapsucker 1 2		White-throat Sparrow 13, 6	
Hairy Woodpecker 1		Fox Sparrow *	
Downy Woodpecker 1		Swamp Sparrow	
		Song Sparrow	
		Vesper Sparrow	

* Easily confused with other species

+ Written details must be submitted

8-9:30 (1) HQ & Beaver Pond
 10-11:30 (2) HQ to Centees what Rd & back
 11:45-12:30 (3) Fox Point & Boardwalk
 AREA # 2 PARTY SIZE 2

DATE 12/23/90

OBSERVERS: Chris Barkan, Gene Morrow

SPECIES	(1)	(2)	(3)	TOTAL	SPECIES	(1)	(2)	(3)	TOTAL
Horned Grebe					Horned Lark				
Pied-B. Grebe					Blue Jay				6 (7)
Great Bl. Heron		1		1	Common Crow				7 (8)
Whistling Swan					Fish Crow				2
Canada Goose		1		1	Bl.-capped Chickadee*+				
Mallard (wild)					Carolina Chickadee				27 (29)
Black Duck				17	Tufted Titmouse				12 (13)
Gadwall					White-br. Nuthatch				4
Pintail					Red-breasted Nuthatch				
Gr.-winged Teal					Brown Creeper				4 (5)
American Wigeon					Winter Wren				2 (3)
Northern Shoveler					Carolina Wren				19 (21)
Wood Duck					Mockingbird				2 (2)
Redhead					Gray Catbird				
Canvasback					Brown Thrasher				
Scaup- Gr. Lr. Spp.*					American Robin				28
Common Goldeneye					Hermit Thrush				
Bufflehead				2	Eastern Bluebird				
Ruddy Duck					Golden-cr. Kinglet				7 (8)
Hooded Merganser					Ruby-crowned Kinglet				1 (1)
Common Merganser					Water Pipit*				
Turkey Vulture				4	Cedar Waxwing				16
Black Vulture *				2	Loggerhead Shrike *				
Sharp-shinned Hawk					Starling				13
Cooper's Hawk *					Myrtle Warbler (V-rump)				10 (14)
Red-tailed Hawk					Pine Warbler *+				
Red-shouldered Hawk				2	Palm Warbler *+				
Northern Harrier (Marsh)					House Sparrow				7
Kestrel (sex)				1	E. Meadowlark				
Bobwhite					Red-winged Blackbird	30	3050	110	
American Coot					N. Oriole (Baltimore)				
Killdeer				1	Common Grackle		70-120		270
Woodcock					Br.-headed Cowbird				1
Common Snipe					Cardinal				18 (22)
Herring Gull				9	Evening Grosbeak				
Ping-billed Gull				2	Purple Finch				4
Rock Dove (pigeon)					House Finch				1
Mourning Dove					Pine Siskin				
Screech Owl					American Goldfinch				25
Great-Horned Owl					Rufous-sided Towhee				1
Barred Owl					Savannah Sparrow*				
Belted Kingfisher				1	Dark-eyed Junco				5 (22)
Common Flicker				9	Tree Sparrow *				
Pileated Woodpecker				3 (7)	Chipping Sparrow *				1
Red-bellied Woodpecker				6 (9)	Field Sparrow				2 (5)
Red-headed Woodpecker *					White-crowned Sparrow *				
Yellow-bellied Sapsucker				3 (7)	White-throat Sparrow				10 (30)
Hairy Woodpecker				6 (8)	Fox Sparrow *				
Downy Woodpecker				3 (7)	Swamp Sparrow				
					Song Sparrow		(7)	1	8 (13)
					Vesper Sparrow				

* Easily confused with other species

Spring Peeper ||

DATE: 23 Dec. 1990
 TIME: 8:00-12:30

+ Written details must be submitted

1:30 PM - 3/15

DATE: 23 Dec 90

SERC WINTER BIRD COUNT CHECKLIST

TIME:

AREA # 2

PARTY SIZE 2

PARTY HOURS 2

PARTY MILES- ON FOOT 2

DATE

BY CAR

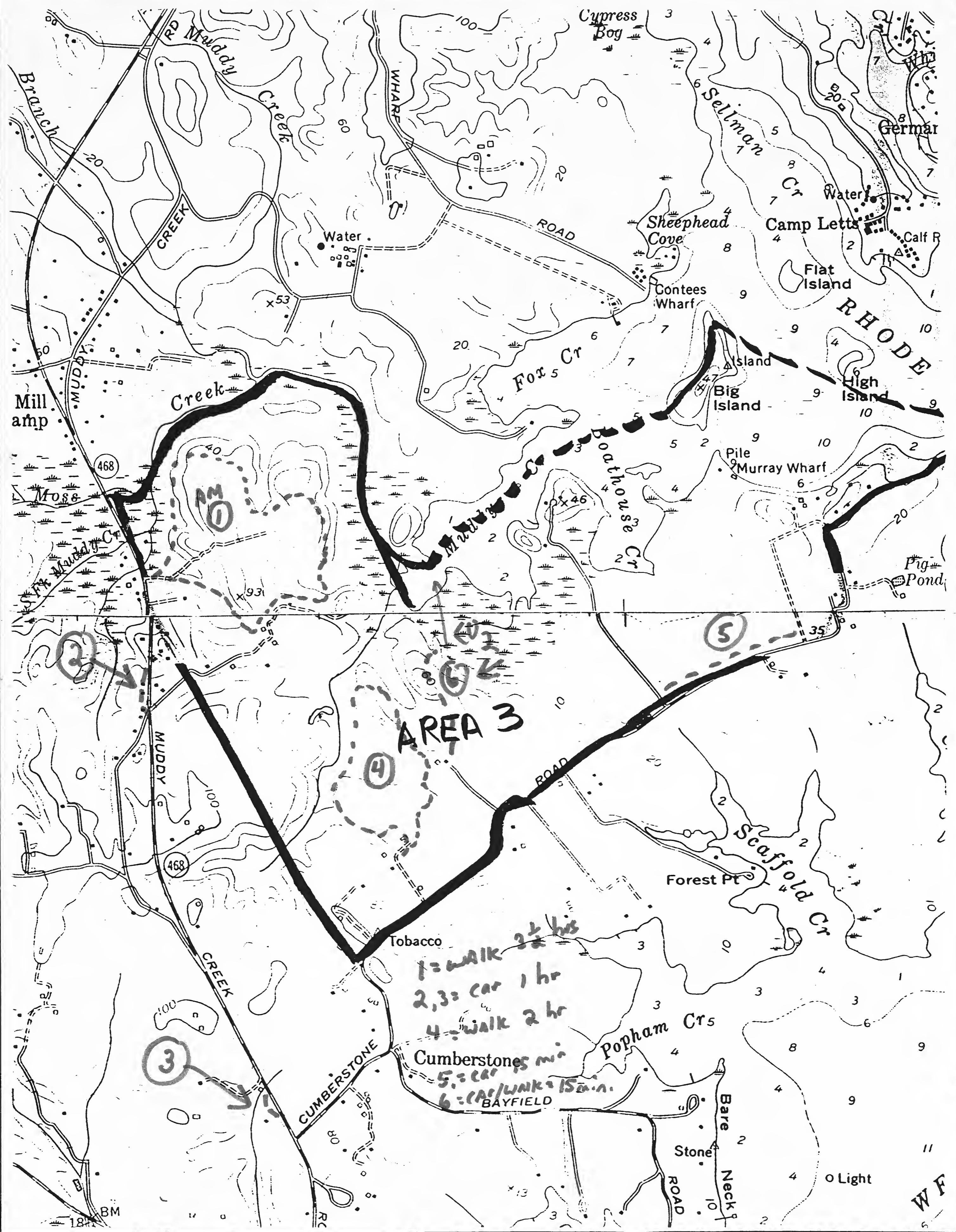
OBSERVERS

MORTON LYNCH

SPECIES	TOTAL	SPECIES	TOTAL
Orn. Grebe		Horned Lark	
Red-B. Grebe		Blue Jay	1
Great Bl. Heron	1	Common Crow	
Histling Swan		Fish Crow	
Canada Goose		Bl.-capped Chickadee*+	
Mallard (wild)		Carolina Chickadee	2, 2, 2, 2, 2
Black Duck		Tufted Titmouse	2, 2, 2
Redwall		White-br. Nuthatch	6
Intail		Red-breasted Nuthatch	
Br.-winged Teal		Brown Creeper	1
American Wigeon		Winter Wren	1
Common Shoveler		Carolina Wren	1, 2, 2
Cod Duck		Mockingbird	
Redhead		Gray Catbird	
Canvasback		Brown Thrasher	
Carp- Gr. Lr. Spp.*		American Robin	25
Common Goldeneye		Hermit Thrush	
ufflehead		Eastern Bluebird	
uddy Duck		Golden-cr. Kinglet	1
ooded Merganser		Ruby-crowned Kinglet	
Common Merganser		Water Pipit*	
Turkey Vulture	1	Cedar Waxwing	
Black Vulture *		Loggerhead Shrike *	
Harp-sninned Hawk		Starling	
Cooper's Hawk *		Myrtle Warbler (Y-rump)	3, 1
Red-tailed Hawk		Pine Warbler *	4
Red-shouldered Hawk		Palm Warbler *	
Northern Harrier (Marsh)		House Sparrow	
Least (sex)		E. Meadowlark	
Bobwhite		Red-winged Blackbird	
American Coot		N. Oriole (Baltimore)	
Killdeer		Common Grackle	
Godcock		Br.-headed Cowbird	
Common Snipe		Cardinal	4
Ferring Gull		Evening Grosbeak	
Ring-billed Gull	2	Purple Finch	
Rock Dove (pigeon)		House Finch	
Mourning Dove		Pine Siskin	
Screech Owl		American Goldfinch	
Great-Horned Owl		Rufous-sided Towhee	
Barred Owl		Savannah Sparrow*	
Belted Kingfisher		Dark-eyed Junco	16, 15
Common Flicker	2, 1, 1, 1	Tree Sparrow *	7, 2
Red-bellied Woodpecker	1, 1, 1	Chipping Sparrow *	1
Red-headed Woodpecker *	1, 1, 1	Field Sparrow	6
Yellow-bellied Sapsucker	1, 1	White-crowned Sparrow *	
Barred Woodpecker	1, 1, 1	White-throat Sparrow	20, 20, 4
Downy Woodpecker	1, 1, 1	Fox Sparrow *	45
Red-cockaded Woodpecker	1, 1, 1	Swamp Sparrow	
		Song Sparrow	1, 2, 2
		Vesper Sparrow	5

* Easily confused with other species

+ Written details must be submitted



SERC WINTER BIRD COUNT CHECKLIST

DATE:

TIME:

AREA # 4 PARTY SIZE 2
DATE 12/23/90
OBSERVERS Rut & GreenbergPARTY HOURS 4 PARTY MILES- ON FOOT ...
BY CAR ...

SPECIES	TOTAL	SPECIES	TOTAL
Horned Grebe		Horned Lark	
Pied-B. Grebe		Blue Jay	10
Great Bl. Heron		Common Crow	242 = 9
Whistling Swan	22	Fish Crow	
Canada Goose	200	Bl.-capped Chickadee*+	
Mallard (wild)	6	Carolina Chickadee	
Black Duck	40	Tufted Titmouse	10
Gadwall		White-br. Nuthatch	6
Pintail		Red-breasted Nuthatch	
Gr.-winged Teal		Brown Creeper	1
American Wigeon		Winter Wren	
Northern Shoveler		Carolina Wren	4
Nood Duck	2	Mockingbird	2
Redhead		Gray Catbird	
Canvasback		Brown Thrasher	
Scap- Gr. Lr. 2 Spp.*	2	American Robin	
Common Goldeneye		Hermit Thrush	
Bufflehead	25	Eastern Bluebird	
Ruddy Duck		Golden-cr. Kinglet	1
Hooded Merganser		Ruby-crowned Kinglet	
Common Merganser		Water Pipit*	
Turkey Vulture	1	Cedar Waxwing	40
Black Vulture *		Loggerhead Shrike *	
Sharp-shinned Hawk		Starling	20
Cooper's Hawk *		Myrtle Warbler (V-rump)	25
Red-tailed Hawk	3	Pine Warbler *+	
Red-shouldered Hawk		Palm Warbler *+	
Northern Harrier (Marsh)		House Sparrow	
Kestrel (sex)	1	E. Meadowlark	
Bobwhite		Red-winged Blackbird	
American Coot		N. Oriole (Baltimore)	
Killdeer	8	Common Grackle	
Woodcock		Br.-headed Cowbird	
Common Snipe		Cardinal	20
Herring Gull	1	Evening Grosbeak	
Ping-billed Gull	5	Purple Finch	
Rock Dove (pigeon)		House Finch	
Mourning Dove	2	Pine Siskin	
Screech Owl		American Goldfinch	6
Great-Horned Owl		Rufous-sided Towhee	2
Barred Owl		Savannah Sparrow*	
Belted Kingfisher	2	Dark-eyed Junco	
Common Flicker	7	Tree Sparrow *	
Pileated Woodpecker		Chipping Sparrow *	
Red-bellied Woodpecker	5	Field Sparrow	3
Red-headed Woodpecker *		White-crowned Sparrow *	
Yellow-bellied Sapsucker		White-throat Sparrow	16
Hairy Woodpecker	1	Fox Sparrow *	
Downy Woodpecker	2	Swamp Sparrow	4
B. Redhead Gull	1	Song Sparrow	
		Vesper Sparrow	10

* Easily confused with other species

+ Written details must be submitted